

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0404 Boggs

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Right | 2.35 | 05/08/2018 05/08/2018 | Richard Willoughby |

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|-----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 24 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Operations & Maintenance Manuals | | | | |
| DWR ID | DWR_RD0404_01_s_2013_24 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| The LMA has a copy of the O & M Manual on file. | | | | | |

No Photos

| | | | | | |
|--|--------------------------------|--------------|----|------------------------|-----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 25 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Emergency Supplies & Equipment | | | | |
| DWR ID | DWR_RD0404_01_s_2013_25 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| LMA has adequate flood fight supplies on hand. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

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| | | | | | |
|---|-------------------------------|--------------|----|------------------------|-----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 26 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Flood Preparedness & Training | | | | |
| DWR ID | DWR_RD0404_01_s_2013_26 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| LMA staff are maintaining their flood fight training with the last two years. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 30 |
| LM End | 2.35 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.942075 ° | 37.920324 ° |
| | | | | -121.345200 ° | -121.318348 ° |
| DWR ID | DWR_RD0404_01_s_2018_30 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 31 |
| LM End | 2.35 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.942075 ° | 37.920324 ° |
| | | | | -121.345200 ° | -121.318347 ° |
| DWR ID | DWR_RD0404_01_s_2018_31 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Right | 2.35 | 05/08/2018 05/08/2018 | Richard Willoughby |

| | | | | | |
|--|--------------------|--------------|----|------------------------|---------------|
| LM Start | 0.40 | Rating ** | M | Issue No. | 6 |
| LM End | 0.41 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.939534 ° | 37.939534 ° |
| | | | | -121.339562 ° | -121.339562 ° |
| DWR ID | RD0404U01RM41.05 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 09/13/2017: The erosion is located between two protected levee sections. [2017 Site ID:RD0404U01RM41.05] | | | | | |
| | | | | | |

Photo 1 of 3 : SP_2018_RD0404_305_6_20180323_00002.jpg



Front view of the erosion.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.40 | Rating ** | M | Issue No. | 6 (cont) |
| LM End | 0.41 | Issue Type + | Ma | Location * | WS |

Photo 2 of 3 : SP_2018_RD0404_305_6_20180323_00003.jpg



Front of the erosion.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.40 | Rating ** | M | Issue No. | 6 (cont) |
| LM End | 0.41 | Issue Type + | Ma | Location * | WS |

Photo 3 of 3 : SP_2018_RD0404_305_6_20180323_00004.jpg



Looking downstream at the erosion site.

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Right | 2.35 | 05/08/2018 05/08/2018 | Richard Willoughby |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.75 | Rating ** | A/W | Issue No. | 107 (cont) |
| LM End | 0.75 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.937657 ° | 37.937657 ° |
| | | | | -121.334158 ° | -121.334158 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:52607
DS_ID:17945
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/22/2017 Received updated photo from DWR levee inspector D. Torres showing gate has been cleared of sediment to allow operation of the gate on the WS. Crossing has been downgraded from Urgent to No Action Needed based on the 2016 photos and the most current photo. Recommend coordinating with City of Stockton to determine as-builts, CVFPB permit, and date of last internal integrity inspection completed for this crossing. (DWR UCIP - O. Magana)

11/29/2016 Flap gate still buried with sediment on WS. Requires clearing. (K. Fazel - UCIP)03/26/2013 Partially buried flap gate (P. Amatya - DWR)
FIELD_STRUCT_DESC: 42-inch corrugated metal drainage discharge pipe, 18 feet below the crown. Flap gate, concrete headwall, and spillway on the waterside (WS). Pump house on the landside (LS). Abandoned concrete headwall, power pole, and two wooden piles found on the LS. This drainage pipe likely belongs to the City of Stockton. [Additional Reference(s): DWR Levee Log, 2006. USACE San Joaquin O&M Manual 1, March 1963, (HLM 0.78)].
FS Date: 11/22/2017

| | | | | | |
|----------|-------------|--------------|-----|------------|-------------------|
| LM Start | 0.75 | Rating ** | A/W | Issue No. | 107 (cont) |
| LM End | 0.75 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_SP_2018_52607_19962.jpg



WS- drainage outlet structure and CM pipe with flapgate

Photo 3 of 3 : UCIP_SP_2018_52607_19961.jpg



WS- Debris and vegetation blocking CM drainage pipe

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
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| | | | | | |
|---|------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.78 | Rating ** | A/W | Issue No. | 8 |
| LM End | 0.78 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.937395 ° | 37.937395 ° |
| | | | | -121.333883 ° | -121.333883 ° |
| DWR ID | DWR_RD0404_01_s_2013_8 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Trees are blocking view of the slope. | | | | | |

Photo 1 of 1 : SP_2018_RD0404_305_8_20180323_00005.jpg



Looking southeast at dense trees on landward slope and toe.

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.89 | Rating ** | A/W | Issue No. | 17 |
| LM End | 0.89 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.936159 ° | 37.936159 ° |
| | | | | -121.332711 ° | -121.332711 ° |
| DWR ID | DWR_RD0404_01_f_2012_17 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.95 | Rating ** | A/W | Issue No. | 2 |
| LM End | 0.95 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.935990 ° | 37.935990 ° |
| | | | | -121.331600 ° | -121.331600 ° |
| DWR ID | DWR_RD0404_01_s_2012_2 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| Elderberries are partially blocking the visibility. | | | | | |

No Photos

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

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| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.98 | Rating ** | U | Issue No. | 42 |
| LM End | 0.98 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.935918 ° | 37.935918 ° |
| | | | | -121.331032 ° | -121.331032 ° |
| DWR ID | DWR_RD0404_01_s_2017_42 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 2 : SP_2018_RD0404_305_42_20180323_00018.jpg



View of the waterside slope looking southwest.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.98 | Rating ** | U | Issue No. | 42 (cont) |
| LM End | 0.98 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : SP_2018_RD0404_305_42_20180323_00019.jpg



Looking northwest at large animal hole (den) on waterward shoulder.

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.09 | Rating ** | C | Issue No. | 4 |
| LM End | 1.09 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Riprap Revetments | | | 37.935158 ° | 37.935158 ° |
| | | | | -121.329365 ° | -121.329365 ° |
| DWR ID | DWR_RD0404_01_f_2013_4 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Concrete rubble with rebar should be removed. LMA corrected issue. | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

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|-------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Right | 2.35 | 05/08/2018 05/08/2018 | Richard Willoughby |

| | | | | | |
|--|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.19 | Rating ** | A/W | Issue No. | 101 |
| LM End | 1.19 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.934058 ° | 37.934058 ° |
| | | | | -121.328188 ° | -121.328188 ° |
| DWR ID | DWR_RD0404_01_f_2016_101 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Dense vegetation on landward slope. | | | | | |

Photo 1 of 2 : SP_2018_RD0404_305_101_20180323_00021.jpg



Looking east at dense vegetation on landward slope. (Fall 2016)

| | | | | | |
|----------|-------------|--------------|-----|------------|-------------------|
| LM Start | 1.19 | Rating ** | A/W | Issue No. | 101 (cont) |
| LM End | 1.19 | Issue Type + | Ma | Location * | LS |

Photo 2 of 2 : SP_2018_RD0404_305_101_20180323_00022.jpg



Looking southeast at overhanging trees on landside slope. (Fall 2015)

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.35 | Rating ** | A/W | Issue No. | 100 |
| LM End | 1.35 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.931945 ° | 37.931945 ° |
| | | | | -121.327150 ° | -121.327150 ° |
| DWR ID | DWR_RD0404_01_s_2012_100 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0404_305_100_20180323_00020.jpg



Looking northwest at untrimmed trees on waterward slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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| | | | | | |
|---|--------------------|--------------|----|------------------------|---------------|
| LM Start | 1.44 | Rating ** | M | Issue No. | 11 |
| LM End | 1.46 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.930450 ° | 37.930450 ° |
| | | | | -121.327450 ° | -121.327450 ° |
| DWR ID | RD0404U01RM42.02 | | | | |
| Comment Code | | | | | |
| | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 09/13/2017: No significant change observed. | | | | | |
| 07/25/2016: No significant change observed. | | | | | |
| 06/24/2015: No significant change observed. | | | | | |
| 06/19/2014: A series of scarp erosions have been found on the lower levee slope and at the levee toe. [2017 Site ID:RD0404U01RM42.02] | | | | | |

Photo 1 of 2 : SP_2018_RD0404_305_11_20180323_00006.jpg



Front view of the erosion.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.44 | Rating ** | M | Issue No. | 11 (cont) |
| LM End | 1.46 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : SP_2018_RD0404_305_11_20180323_00007.jpg



Close view of the erosion. Note the protection on the lower levee slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
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| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.50 | Rating ** | A/W | Issue No. | 27 |
| LM End | 1.50 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.896544 ° | 37.896544 ° |
| | | | | -121.327121 ° | -121.327121 ° |
| DWR ID | DWR_RD0404_01_f_2016_27 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0404_305_27_20180323_00013.jpg



Looking west at untrimmed trees on waterward slope.

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.70 | Rating ** | A/W | Issue No. | 29 |
| LM End | 1.77 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.927517 ° | 37.926632 ° |
| | | | | -121.325515 ° | -121.324868 ° |
| DWR ID | DWR_RD0404_01_s_2015_29 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Dense untrimmed trees on waterward slope. Army Corp veg site.Tree and woody vegetation planted by the DWR but not being maintain according to agreement. | | | | | |

Photo 1 of 2 : SP_2018_RD0404_305_29_20180323_00014.jpg



Looking north at dense vegetation on waterward slope.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 1.70 | Rating ** | A/W | Issue No. | 29 (cont) |
| LM End | 1.77 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : SP_2018_RD0404_305_29_20180323_00015.jpg



Looking south at dense vegetation on waterward slope.

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

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|-------------------------------|-------|------------|--------------------------|--------------------|
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| | | | | | |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.75 | Rating ** | C | Issue No. | 34 |
| LM End | 1.75 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Slope Stability | | 37.926830 ° | 37.926830 ° | |
| | | | -121.324998 ° | -121.324998 ° | |
| DWR ID | DWR_RD0404_01_s_2016_34 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.77 | Rating ** | C | Issue No. | 23 |
| LM End | 1.77 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 37.926695 ° | 37.926695 ° | |
| | | | -121.324877 ° | -121.324877 ° | |
| DWR ID | DWR_RD0404_01_f_2017_23 | | | | |
| Comment Code | | | | | |
| GA : Garbage | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|------------------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 2.00 | Rating ** | U | Issue No. | 33 |
| LM End | 2.00 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 37.923673 ° | 37.923673 ° | |
| | | | -121.323015 ° | -121.323015 ° | |
| DWR ID | DWR_RD0404_01_s_2016_33 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Dead tree on waterward slope | | | | | |

Photo 1 of 1 : SP_2018_RD0404_305_33_20180323_00016.jpg



Looking west at dead tree on waterward slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0404 Boggs

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Right | 2.35 | 05/08/2018 05/08/2018 | Richard Willoughby |

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.14 | Rating ** | A/W | Issue No. | 22 |
| LM End | 2.14 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.922040 ° | 37.922040 ° |
| | | | | -121.321446 ° | -121.321446 ° |
| DWR ID | DWR_RD0404_01_f_2017_22 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_RD0404_305_22_20180323_00011.jpg



View of the waterside slope looking south.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0404 Boggs

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 French Camp Slough | Right | 1.75 | 05/08/2018 05/08/2018 | Richard Willoughby |

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 9 |
| LM End | 1.73 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.920324 ° | 37.917414 ° |
| | | | | -121.318348 ° | -121.292170 ° |
| DWR ID | DWR_RD0404_02_s_2018_9 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| District is maintaining annual grasses and weeds. | | | | | |

Photo 1 of 1 : SP_2018_RD0404_306_9_20180511_00027.jpg



Looking downstream at typical view of landward slope. (Spring 2018)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 10 |
| LM End | 1.73 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.920324 ° | 37.917410 ° |
| | | | | -121.318348 ° | -121.292167 ° |
| DWR ID | DWR_RD0404_02_s_2018_10 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| District is maintaining annual grasses and weeds. | | | | | |

Photo 1 of 1 : SP_2018_RD0404_306_10_20180511_00026.jpg



Looking downstream at typical view of waterward slope. (Spring 2018)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0404 Boggs

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 French Camp Slough | Right | 1.75 | 05/08/2018 05/08/2018 | Richard Willoughby |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.14 | Rating ** | U | Issue No. | 14 |
| LM End | 0.14 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.918875 ° | 37.918875 ° |
| | | | | -121.316587 ° | -121.316587 ° |
| DWR ID | DWR_RD0404_02_f_2017_14 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| Erosion occurred winter 2017. | | | | | |

Photo 1 of 2 : SP_2018_RD0404_306_14_20180323_00003.jpg



View of the waterside slope looking northwest.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.14 | Rating ** | U | Issue No. | 14 (cont) |
| LM End | 0.14 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : SP_2018_RD0404_306_14_20180323_00004.jpg



Looking southeast at erosion on waterward slope.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.30 | Rating ** | M | Issue No. | 3 |
| LM End | 0.47 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.918508 ° | 37.919543 ° |
| | | | | -121.314105 ° | -121.311432 ° |
| DWR ID | DWR_RD0404_02_s_2012_3 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent program not working. | | | | | |

No Photos

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0404 Boggs

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 French Camp Slough | Right | 1.75 | 05/08/2018 05/08/2018 | Richard Willoughby |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.48 | Rating ** | M | Issue No. | 8 |
| LM End | 0.48 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.919525 ° | 37.919525 ° |
| | | | | -121.311193 ° | -121.311193 ° |
| DWR ID | DWR_RD0404_02_s_2012_8 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent program not working. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.58 | Rating ** | M | Issue No. | 24 |
| LM End | 0.58 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.919223 ° | 37.919223 ° |
| | | | | -121.309490 ° | -121.309490 ° |
| DWR ID | DWR_RD0404_02_s_2017_24 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.68 | Rating ** | U | Issue No. | 21 |
| LM End | 0.94 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.919245 ° | 37.916652 ° |
| | | | | -121.307705 ° | -121.305085 ° |
| DWR ID | DWR_RD0404_02_s_2016_21 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Large holes noted on landward slope. | | | | | |

Photo 1 of 2 : SP_2018_RD0404_306_21_20180323_00009.jpg



Looking northeast at large rodent hole on landward slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0404 Boggs

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 French Camp Slough | Right | 1.75 | 05/08/2018 05/08/2018 | Richard Willoughby |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.68 | Rating ** | U | Issue No. | 21 (cont) |
| LM End | 0.94 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.919245 ° | 37.916652 ° |
| | | | | -121.307705 ° | -121.305085 ° |
| DWR ID | DWR_RD0404_02_s_2016_21 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Large holes noted on landward slope. | | | | | |

Photo 2 of 2 : SP_2018_RD0404_306_21_20180323_00010.jpg



Looking east at large rodent hole on landward slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.03 | Rating ** | U | Issue No. | 20 |
| LM End | 1.08 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.916302 ° | 37.916383 ° |
| | | | | -121.303690 ° | -121.302802 ° |
| DWR ID | DWR_RD0404_02_s_2016_20 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Large rodent holes on landward slope and levee crown. | | | | | |

Photo 1 of 4 : SP_2018_RD0404_306_20_20180323_00005.jpg



View of the landside slope looking north.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.03 | Rating ** | U | Issue No. | 20 (cont) |
| LM End | 1.08 | Issue Type + | Ma | Location * | LS |

Photo 2 of 4 : SP_2018_RD0404_306_20_20180323_00006.jpg



Looking northeast at rodent hole on landward shoulder.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0404 Boggs

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 French Camp Slough | Right | 1.75 | 05/08/2018 05/08/2018 | Richard Willoughby |

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 1.03 | Rating ** | U | Issue No. | 20 (cont) | |
| LM End | 1.08 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Animal Control | | | 37.916302 ° | 37.916383 ° | |
| | | | | -121.303690 ° | -121.302802 ° | |
| DWR ID | DWR_RD0404_02_s_2016_20 | | | | | |
| Comment Code | | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | | |
| Inspector Comment | | | | | | |
| Large rodent holes on landward slope and levee crown. | | | | | | |

Photo 3 of 4 : SP_2018_RD0404_306_20_20180323_00007.jpg



Looking at rodent hole on levee crown.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.03 | Rating ** | U | Issue No. | 20 (cont) |
| LM End | 1.08 | Issue Type + | Ma | Location * | LS |

Photo 4 of 4 : SP_2018_RD0404_306_20_20180323_00008.jpg



Looking at rodent hole on landward slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.10 | Rating ** | M | Issue No. | 11 |
| LM End | 1.19 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.916354 ° | 37.916626 ° |
| | | | | -121.302471 ° | -121.300918 ° |
| DWR ID | DWR_RD0404_02_s_2012_11 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Grouting program is being used but is not effective. | | | | | |

Photo 1 of 2 : SP_2018_RD0404_306_11_20180323_00001.jpg



Looking east at large rodent hole on landward slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

